

REINFORCED THIN WALL THERMOPLASTIC STORAGE VESSEL  
MANUFACTURE

ABSTRACT OF THE DISCLOSURE

A method and apparatus is disclosed for reinforcement of a thin wall hollow thermoplastic storage vessel with one or more wraps of continuous fibers. This method requires thermal bonding between the reinforcement fibers and the outer surface of the thermoplastic storage vessel while the interior cavity of the storage vessel is being pressurized. The fiber wraps can also be oriented in spatial directions further resisting internal stress on the storage vessel walls when put into service.